

SEQUENCE LISTING

<110> Long, David M.
 Smidansky, Eric D.
 Strobel, Gary A.

<120> In Vivo Addition of Telomeric Repeats to Exogenous DNA
 Generates Extrachromosomal DNAs in the Fungus Pestalotiopsis

<130> 57309-5001-WO

<140> US 10/018,551
 <141> 2001-12-20

<150> US 60/091,668
 <151> 1998-07-02

<150> PCT/US99/15129
 <151> 1999-07-02

<160> 12

<170> PatentIn Ver. 2.1

<210> 1
 <211> 22
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:PCR primer

<400> 1
 ttaccgcgag gacatatcca cg 22

<210> 2
 <211> 22
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:PCR primer

<400> 2
 atagctgcmc cgatggtttc ta 22

<210> 3
 <211> 54
 <212> DNA
 <213> Pestalotiopsis microspora

<220>
 <221> repeat_unit
 <222> (49)..(54)
 <223> This unit is present one or more times.

<400> 3
 taaagcaggg aagtatgcgc ttagggttag gtttttaggg ttagcttagg gtta 54

<210> 4
 <211> 41
 <212> DNA
 <213> Pestalotiopsis microspora

<220>
 <221> repeat_unit
 <222> (36)..(41)
 <223> This unit is present one or more times.

<400> 4
 accggtatcg tgagcatcct agcttagggt tattagggtt a 41

<210> 5
 <211> 39
 <212> DNA
 <213> Pestalotiopsis microspora

<220>
 <221> repeat_unit
 <222> (34)..(39)
 <223> This unit is present one or more times.

<400> 5
 tgcattggagc cgggccacct tagggtttagc ttaggggtta 39

<210> 6
 <211> 26
 <212> DNA
 <213> Pestalotiopsis microspora

<220>
 <221> repeat_unit
 <222> (21)..(26)
 <223> This unit is present one or more times.

<400> 6
 gtgccgggga tcctagggtta ggggtta 26

<210> 7
 <211> 28
 <212> DNA
 <213> Pestalotiopsis microspora

<220>
 <221> repeat_unit
 <222> (21)..(28)
 <223> This unit is present one or more times.

<400> 7
 tggagccggt gagcgtgggt taggggtta 28

<210> 8
 <211> 50
 <212> DNA
 <213> Pestalotiopsis microspora

 <220>
 <221> repeat_unit
 <222> (45)..(50)
 <223> This unit is present one or more times.

 <400> 8
 tcgatggggg agtatggggg ttagcttagg gttagggttag cttagggtta 50

 <210> 9
 <211> 40
 <212> DNA
 <213> Pestalotiopsis microspora

 <220>
 <221> repeat_unit
 <222> (35)..(40)
 <223> This unit is present one or more times.

 <400> 9
 ggggagtatg ggggagtacc ttaggggttag cttagggtta 40

 <210> 10
 <211> 31
 <212> DNA
 <213> Pestalotiopsis microspora

 <220>
 <221> repeat_unit
 <222> (26)..(31)
 <223> This unit is present one or more times.

 <400> 10
 ggcacggacg cactgacggt taggggggtt a 31

 <210> 11
 <211> 15
 <212> DNA
 <213> Pestalotiopsis microspora

 <220>
 <221> repeat_unit
 <222> (1)..(6)
 <223> This unit is present one or more times (sequence
 is at telomeric repeat junction near 5' end of
 extrachromosomal DNA).

 <400> 11
 ccctaaccga cgcta 15

<210> 12
<211> 27
<212> DNA
<213> Pestalotiopsis microspora

<220>
<221> repeat_unit
<222> (22)..(27)
<223> This unit is present one or more times (sequence
is at telomeric repeat junction near 3' end of
extrachromosomal DNA).

<400> 12
ccgggccacc ttagggtag ctaggg

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